

International Patent Application (Priority: DE 199 25 739.6)

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Patent Claims

1. A pharmaceutical preparation comprising one of the botulinum neurotoxins from *Clostridium botulinum* of types A, B, C, D, E, F or G or a mixture of two or more of these neurotoxins, wherein the neurotoxin or the mixture of neurotoxins is free of the complexing proteins which naturally form the botulinum neurotoxin complexes together with the neurotoxins.
2. A pharmaceutical preparation as claimed in claim 1, wherein the induction of neutralizing antibodies in the patient by the neurotoxin or the mixture of neurotoxins is reduced by comparison with the complexes or is zero.
3. A pharmaceutical preparation as claimed in claim 1 or 2, wherein the neurotoxin or the mixture of neurotoxins is or comprises a natural neurotoxin or a mixture of natural neurotoxins.
4. A pharmaceutical preparation as claimed in claim 1 or 2, wherein the neurotoxin or the mixture of neurotoxins is or comprises a recombinant neurotoxin or a mixture of recombinant neurotoxins.
5. A pharmaceutical preparation as claimed in any of the preceding claims, wherein the neurotoxin is or comprises the neurotoxin from *Clostridium botulinum* type A or B, or the

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mixture of neurotoxins is or comprises a mixture of the neurotoxins from *Clostridium botulinum* type A and B.

6. The use of the botulinum neurotoxins from *Clostridium botulinum* of types A, B, C, D, E, F or G or of a mixture of two or more of these neurotoxins for producing a medicine for treating disorders of the nervous system and dystonias.

7. The use as claimed in claim 6, wherein the disorders of the nervous system and the dystonias comprise spasmodic torticollis and blepharospasm, spasticities such as footdrop, hemifacial spasms, migraine, low back pain, cervical spine disorders or hypersalivation.

8. The use of the botulinum neurotoxins from *Clostridium botulinum* of types A, B, C, D, E, F or G or of a mixture of two or more of these neurotoxins for cosmetic treatment.

9. The use as claimed in claim 8, wherein the cosmetic treatment takes place to treat hyperhidrose and wrinkling, especially in the facial region.

10. The use as claimed in any of claims 6 to 9, wherein the person to be treated with the neurotoxin from *Clostridium botulinum* or the mixture of neurotoxins is a human or animal who/which already exhibits neutralizing antibodies against a botulinum neurotoxin complex, in particular against the complex of *Clostridium botulinum* type A or B, or against a plurality of complexes, in particular against the complexes of *Clostridium botulinum* type A and B.